



IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET



ALUMO 70LI

Classification:	Alumina – Mullite Brick
Main Raw Material Component:	Alumina – Mullite
Type Of Bond:	Ceramic
P. C. E. (Equivalent temperature)	> 38 (1835 °C)
Main Application:	Special usages. Petrochemical Industries, Excellent resistance to high temperature, abrasion, corrosion and chemical attacks.

Chemical Composition (Calcined base)				
Al ₂ O ₃ %	SiO ₂ %	Fe ₂ O ₃ %	TiO ₂ %	Alkalis %
64 – 66	28 – 32	< 1.2	< 1.5	< 0.5

Physical Properties		
Bulk Density	gr/cm ³	> 2.58
Cold Crushing Strength	kg/cm ²	> 750
Apparent Porosity	%	14-18
Modulus of Rupture	kg/cm ²	> 100

Thermomechanical Properties		
Refractoriness under Load T05	°C	1420-1500
Reversible Linear thermal expansion (1100 °C)	%	0.6 – 0.9

The above data are typical of the properties of commercial Standard brick .
The data are subject to reasonable Variation and therefore should not be used for Specification purposes . They may not be regarded as committed specifications and therefore Not as guaranteed properties .

ASTM Test Methods, where applicable, used for determination of data.

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